

Substitute for form 1449A-B

Complete if Known

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number **09/618,579**  
Filing Date **July 18, 2000**  
First Named Inventor **Sergey A. Selifonov**  
Group Art Unit **1631**  
Examiner Name **Zhou, S**  
Attorney Docket Number **02-028950US**

U.S. PATENT DOCUMENTS

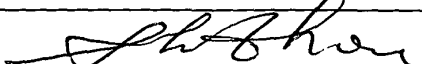
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	AA	5,023,171		Ho et al.	06-11-1991	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
AB	AB	WO	91/06643	A1	Majesty (Her) In Right of Canada	05-16-1991		
AC	AC	WO	96/16073	A2	Terrapin Technologies, Inc.	05-30-1996		
AD	AD	WO	96/16073	A3	Terrapin Technologies, Inc.	05-30-1996		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
AE	AE	Dewey et al. (1998) "Non-equilibrium Thermodynamics of Molecular Evolution." <i>J. Theor Biol.</i> 193:593-599	
AF	AF	Morchio et al. (1997) "Simulation of Protein Evolution: Evidence for a Non-linear Aminoacidic Substitution Rate." <i>Riv Biol</i> 83-94	

Examiner Signature		Date Considered	1/22/03
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form 1449 (Modified)	Atty Docket No. MXGNP001X3	Application No.: 09/618,579
<b>Information Disclosure Statement By Applicant</b>	Applicant: Selifonov et al.	
(Use Several Sheets if Necessary)	Filing Date July 18, 2002	Group 1631

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
<i>AB</i>	A1	6,125,331	9/26/00	Toh			
<i>AB</i>	A2	6,403,312	6/11/02	<del>Bassit</del> , et al			
	A3			<del>Dahiyat</del>			

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
<i>AB</i>	B1	WO00/47612	8/17/00	WIPO				
<i>AB</i>	B2	WO01/61344	8/23/01	WIPO				
<i>AB</i>	B3	WO00/42559	7/2/00	WIPO				
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	C6	Goldman et al., "Estimating Protein Function From Combinatorial Sequence Data Using Decision Algorithms and Neural Networks," Drug Dev. Research 33:125-132 (1994)
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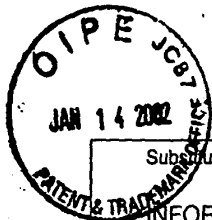


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<input checked="" type="checkbox"/>	C17	Jonsson, et al, "Quaintitative Sequence-Activity Modeils (QSAM)- Tool For Sequence Design", Nuclear Acid Research Vol. 21, No. 3, pp. 733-739 (1993)
<input type="checkbox"/>	C18	Sjostrom, et al, "Signal Peptide Amino Acid Sequences In <i>Escheruchua coli</i> Contain Information Related To Final Protein Localization. A Multivariate Data Analysis", The CMBO Journal vol. 6, no. 3, pp 823-831, (1987)
<input type="checkbox"/>	C19	Patel, et al, "Patenting Computer-Designed Peptides", Journal Of Computer-Acid Molecular Design 12 pp543-556, (1998)
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<input type="checkbox"/>	C22	Bogarad, et al, "A Hierarchical Approach to Protein Molecular Evolution", Proc. Natl. Acad. Sci. USA, Vol. 96, pp. 2597-2595, March 1999
<input checked="" type="checkbox"/>	C23	Darius, et al, "Simulated Molecular Evolution" Or Computer-Generated Artifacts?", Biophysical Journal, Vol. 67, pp. 2120-2122, November 1994
Examiner <i>Shubhron</i>		Date Considered <i>1/24/03</i>

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	Group Art Unit	1631
	Examiner Name	Zhou, S
	Attorney Docket Number	02-028950US

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
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A	AA	DIATCHENKO ET AL. (1996) "Suppression subtractive hybridization: A method for generating different regulated or tissue-specific cDNA probes and libraries." PNAS USA 93:6025-6030		
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	A2						
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						

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	B1						Yes No
	B2						
	B3						
	B4						
	B5						

### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	<del>Moore et al., Modeling and Optimization of DNA Recombination, Computer and Chemical Engineering 2000, Department of Chemical Engineering, The Pennsylvania State University, University Park © 2000</del>
AB	C2	Gregory L. Moore, Costas D. Maranas, <u>Modeling DNA Mutation and Recombination for Directed Evolution Experiments</u> , Department of Chemical Engineering, The Pennsylvania State University, University Park, Received 28, October 1999, Accepted in revised form 15 April 2000 © 2000 Academic Press
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